



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification<sup>6</sup> :

A01G 25/16

A1

(11) International Publication Number:

WO 99/48354

(43) International Publication Date: 30 September 1999 (30.09.99)

(21) International Application Number: PCT/AU99/00175

(22) International Filing Date: 19 March 1999 (19.03.99)

(30) Priority Data:

PP 2475

20 March 1998 (20.03.98)

AU

(71) Applicant (for all designated States except US): IRRIGATION CONTROL NETWORKS PTY. LTD. [AU/AU]; c/o Hood Sweeney Pty., 110 Hutt Street, Adelaide, S.A. 5000 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): TOWNSEND, James, Dunstone [AU/AU]; 104 Main Road, Hahndor, S.A. 5245 (AU).

(74) Agent: McMASTER &amp; ASSOCIATES; Bourke Place, Level 15, 600 Bourke Street, Melbourne, VIC 3000 (AU).

(81) Designated States: AU, CA, NZ, US.

Published

With international search report.

(54) Title: IRRIGATION CONTROL SYSTEM

## (57) Abstract

An irrigation control system for land comprising: (a) at least one meter to measure one or more wheather conditions in a first area; (b) at least one monitor to (i) examine rainfall data derived from a radar scanning at least the first area according to pre-determined criteria and (ii) to extract data which is representative of the scanned rainfall in a sub-area of the first area; (c) a store to store the extracted data; and (d) a controller connected directly or indirectly to the meter and the monitor and to the store, to calculate a moisture content value for the sub-area and a predetermined moisture content value for the sub-area, and to regulate the irrigation in a sub-area.

